

# Notice of Allowability

Application No.

09/717,537

Examiner

Tuan A Vu

Applicant(s)

KALER ET AL.

Art Unit

2124

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/01/2004.
2. ☒ The allowed claim(s) is/are 25-30,33 and 63-66 ( now renumbered 1-11).
3. ☒ The drawings filed on 19 June 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 20050216.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

### **DETAILED ACTION**

1. This action is responsive to the Applicant's response filed 11/01/2004.

As indicated in Applicant's response, claims 25, 63 and 66 have been amended. Claims 25-30, 33 and 63-66 are pending in the office action.

### **EXAMINER'S AMENDMENT**

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Jerome Schaefer, Reg # 50,800 on 2/16/2005.

The application has been amended as follows:

In the SPECIFICATIONS,

replace the entire 2<sup>nd</sup> paragraph, lines 11-19, pg. 9 with the following:

A binder is an OLE DB object that binds resources named in a URL (universal resource locator) to an OLE DB object. Binding involves associating of a column of a rowset or a parameter of a command with a variable; a binding denotes the association itself, or a structure that describes the association. Patent application Ser. No. 09/717,533 -- now issued as US Patent No.: 6842904, also describes binders. Root binder 201 is an object that oversees the direct binding process. It maps bind requests to particular data providers such as 210. Provider binder 211 is an object that performs direct binding operations on the URL namespace for which it is registered. It creates particular objects based upon the URL specified in the bind request.

In the ABSTRACT,

replace the entire Abstract text with the following:

A software development system or versioning system has a collection of modules for performing individual development functions such as document editing, keyword

processing, and private-copy management. Each module has an interface compatible with that of the others, so that modules can be added to or substituted for the original modules, if the new modules conform to the interface. The architecture of this system supports the performance of development actions such as document merging and keyword expansion at any location within the system. The system software interfaces to a keyword processing subsystem comprising a plurality of expanders for processing different sets of keywords and a keyword broker for selecting among the expanders, whereby the client can access resources of the software development service providers for development services identified using the keywords.

In the CLAIMS ( as amended per 11/01/04),

amend as follows:

#### **Claim 25**

A client for a software development system having a plurality of service providers, the service providers providing development services, the client comprising:

means for receiving commands from a user for executing development operations;  
an instance of an application programming interface for communicating with ~~other~~  
~~similar~~ extended instances of the application programming interface of the  
plurality of software development service providers; and

a software interface to a keyword processing subsystem, the keyword  
processing subsystem comprising a plurality of expanders for processing different sets of  
keywords and a keyword broker for selecting among the expanders, whereby the client  
can access resources of the software development service providers for development  
services identified using the keywords.

#### **Claim 65**

The method of claim 64 where the generic expander expands the  
keywords in accordance with the ~~keyword-domain~~ keyword domain parameter.

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**Claim 66**

A medium bearing representations of instructions and data for causing a suitably programmed computer to perform the method comprising:

receiving a request for keyword expansion in a development document, wherein expansion of a keyword permits a search of software development provider resources which perform software development functions;

receiving a parameter specifying one of a plurality of keyword domains, each domain associated with one of the software development provider resources;

selecting one of a plurality of ~~keyword expansion~~ keyword expansion service providers in response to the parameters, wherein keyword expansion comprises software components for processing keywords; and

expanding keywords in the document in the selected service provider.

***EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE***

3. Claims 25-30, 33 and 63-66 are allowed.

The following is an examiner's statement of reasons for allowance.

The prior art taken separately or jointly does not suggest or teach the following features.

A method for developing software having a plurality of development service providers, comprising an interface to receive a client request for keyword expansion using a plurality of keyword expanders; selecting one of the expanders in response to the request; and enabling the client to retrieve resources of the development service providers, the resources being identified by the keywords processed by the expander being selected; as recited in claim 25, 63 and 66.

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**Sugiura**, USPN: 6,701,310, discloses a method enabling Web application terms to be matched against persisted terms based on the index, such method having selection of search engines based on a pre-generated index and matching of a keyword with query expansion unit. But Sugiura does not disclose or suggest a plurality of keyword expanders and selecting one of such expanders enabling client retrieval of development resources from a plurality of service providers using the keywords associating the selected expander service as recited above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### ***Conclusion***

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan A Vu whose telephone number is (272) 272-3735. The examiner can normally be reached on 8AM-4:30PM/Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki can be reached on (571)272-3719.

The fax phone number for the organization where this application or proceeding is assigned is (571) 273-3735 ( for non-official correspondence – please consult Examiner before using) or 703-872-9306 ( for official correspondence) or redirected to customer service at 571-272-3609.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

VAT  
February 16, 2005

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